

Converting Colors

XYZ(23.1493, 29.7336, 20.4386)

Have a look what the booklet for
XYZ(23.1493, 29.7336, 20.4386)
contains.

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Color

**XYZ(23.1493, 29.7336,
20.4386)**

Conversions

Conversions Part 1

Format	Color
Hex	799E72
RGB	121, 158, 114
RGB Percent	47%, 62%, 45%
CMY	0.5255, 0.3804, 0.5529
CMYK	0.23, 0.00, 0.28, 0.38
HSL	110°, 18%, 53%
HSV	110°, 28%, 62%
XYZ	23.1493, 29.7336, 20.4386
YIQ	141.9210, -7.9280, -21.5280

Conversions

Conversions Part 2

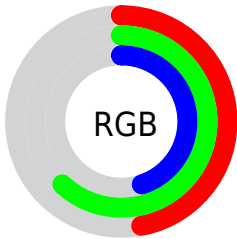
Format	Color
RYB	114, 158, 151
Decimal	7970418
CIELab	61.42, -21.47, 18.97
CIELCh	61, 28.655, 138.534
Yxy	29.7336, 0.3157, 0.4055
Android (android.graphics.Color)	4286160498 (0xFF799E72)
YUV	141.9210, -13.7651, -18.3477
Hunter-Lab	54.5285, -19.6453, 15.9467

Details

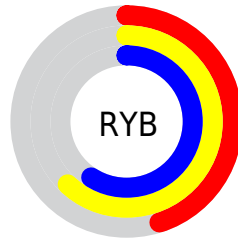
The XYZ color **23.1493, 29.7336, 20.4386** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.9526, 21.0834, 35.1037**, and the grayscale version is **25.7355, 27.0758, 29.4855**.

A 20% lighter version of the original color is **48.1327, 59.3403, 44.9934**, and **8.7359, 12.0410, 7.0180** is the 20% darker color. If you saturate the color by 10%, you get **20.5912, 28.5108, 16.0230**, and if you desaturate by 10%, it is **26.1209, 31.1533, 25.6858**.

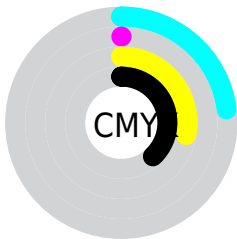
Distribution



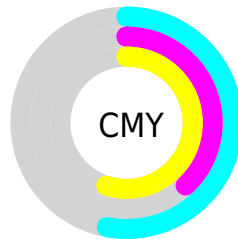
- Red (47%)
- Green (62%)
- Blue (45%)



- Red (45%)
- Yellow (62%)
- Blue (59%)



- Cyan (23%)
- Magenta (0%)
- Yellow (28%)
- Black (38%)



- Cyan (53%)
- Magenta (38%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1493, 29.7336, 20.4386 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 23.1493, 29.7336, 20.4386 by changing the saturation by 10% instead.

■ 23.1493, 29.7336,
20.4386

■ 23.1493, 29.7336,
20.4386

261.0119,
300.6607, 266.9621

■ 14.8251, 19.6365,
12.5270

■ 48.1032, 59.2406,
45.0199

■ 8.7822, 12.1311,
6.9768

■ 65.4636, 79.4193,
62.5267

■ 4.6554, 6.8330,
3.3694

■ 86.5668, 103.7273,
84.0691

■ 2.0792, 3.3579,
1.2862

■ 111.7782,
132.5490, 110.0654

■ 0.6779, 1.3213,
0.0504

141.4630,
166.2688, 140.9344

■ 0.0000, 0.1576,
0.0000

175.9866,

■ 0.0000, 0.0000,

205.2711, 177.0944

0.0000

215.7145,
249.9403, 218.9641

■ 23.1493, 29.7336,
20.4386

■ 23.1493, 29.7336,
20.4386

■ 20.5912, 28.5108,
16.0230

■ 26.1209, 31.1533,
25.6858

■ 18.4257, 27.4726,
12.3944

■ 29.5208, 32.7742,
31.8022

■ 16.6340, 26.6109,
9.5073

■ 33.3661, 34.6051,
38.8254

■ 15.1943, 25.9158,
7.3103

■ 37.6722, 36.6531,
46.7902

■ 14.0827, 25.3763,
5.7460

■ 42.4537, 38.9252,
55.7296

■ 13.2723, 24.9798,
4.7471

■ 47.7247, 41.4278,
65.6751

■ 12.7248, 24.7091,
4.1963

■ 53.4984, 44.1672,
76.6566

■ 12.6317, 24.6633,
4.0947

■ 59.7880, 47.1494,
88.7028

■ 66.4111, 50.3025,
100.8168

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



26.0095, 29.7336, 16.3576



23.1493, 29.7336, 20.4386



21.7099, 29.7336, 28.4046

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



23.1493, 29.7336, 20.4386



26.8383, 29.7336, 57.4074



35.7403, 29.7336, 26.1897

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



23.1493, 29.7336, 20.4386



24.9526, 21.0834, 35.1037

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



36.0126, 29.7336, 36.6988



23.1493, 29.7336, 20.4386



30.6386, 29.7336, 56.4385

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



23.1493, 29.7336, 20.4386



23.7093, 29.7336, 50.6454



34.0745, 29.7336, 48.2358



33.3607, 29.7336, 19.1302

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



23.1493, 29.7336, 20.4386



21.6557, 29.7336, 35.5681



34.0745, 29.7336, 48.2358



36.0887, 29.7336, 29.3786

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



23.1501, 29.7349, 20.4393



53.4054, 59.4188, 57.3843



28.1521, 30.5115, 20.3255



11.8290, 13.2953, 12.5548



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.1501, 29.7349, 20.4393



39.2562, 52.6655, 32.2889



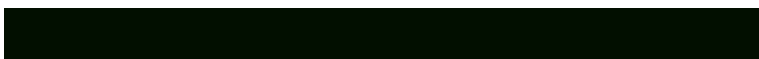
23.1075, 29.6086, 25.1508



6.6442, 7.4492, 7.0733



10.1393, 19.7637, 3.2804



0.2056, 0.3659, 0.0598

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



24.9526, 21.0834, 35.1037



43.0408, 34.4682, 63.1280



25.1021, 21.2978, 28.9082



6.8005, 6.7011, 8.3417



12.7003, 5.9762, 26.3914



0.2524, 0.1199, 0.4731

Previews

White Background



This preview shows how the XYZ color 23.1493, 29.7336, 20.4386 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 23.1493, 29.7336, 20.4386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

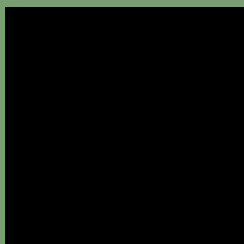
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.1493, 29.7336, 20.4386

Background



This preview shows how black text looks on a background with the XYZ color 23.1493, 29.7336, 20.4386.



This preview shows how white text looks on a background with the XYZ color 23.1493, 29.7336,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

23.1493, 29.7336, 20.4386

Protanopia

27.6483, 29.6549, 18.7347

Deuteranopia

29.8971, 29.4010, 20.9288



Tritanopia

26.9823, 29.8039, 39.4526

Trichromacy



Original Color

23.1493, 29.7336, 20.4386

Protanomaly

25.7745, 29.6239, 19.3984

Deuteranomaly

26.8792, 29.2131, 20.7450

Tritanomaly

25.3481, 29.6221, 31.5758

Monochromacy



Original Color

23.1493, 29.7336, 20.4386

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

24.5863, 27.9141, 25.9219

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1493, 29.7336, 20.4386 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(121, 158, 114)` looks like.

```
.text, #text, p{  
    color:rgb(121, 158, 114)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(121, 158, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 158, 114) }
```

Border

The CSS property to change the border of an element to XYZ 23.1493, 29.7336, 20.4386 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(121, 158, 114) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(121, 158, 114) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(121, 158, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 158, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 158, 114);  
box-shadow:4px 4px 4px 4px rgb(121, 158,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1493, 29.7336, 20.4386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 158, 114) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(121,  
158, 114) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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